

THIRD-ORDER LEVELING  
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-087-33  
PRINCETON QUADRANGLE  
77 KENTUCKY  
N3700-W8745/15  
DIAGRAM NJ 16-8  
EVANSVILLE

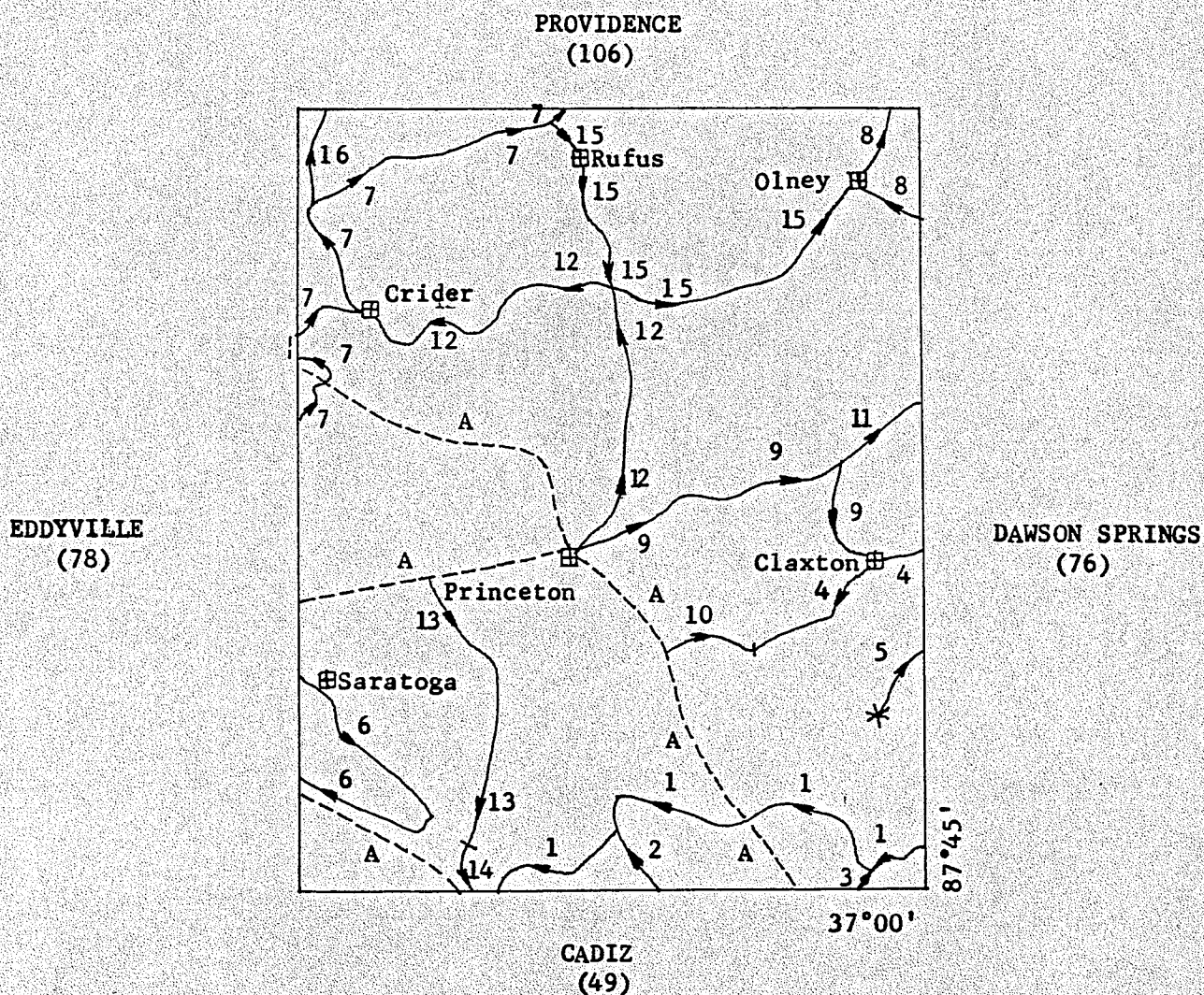
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Caldwell, Hopkins, and Lyon  
Counties, Kentucky

Final adjustment of 1972

Edition of 8/9/74

PR: CRV/sws



NGS (USC&GS) VERTICAL CONTROL DATA

- A. Quadrangle 370873
- \* Tie to Isolated Control

77 KENTUCKY  
PRINCETON

37-087-33  
N3700-W8745/15

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ISOLATED BENCH MARKS (By W. H. Monahan, 1908; Book A7436; E. C. Bibbee, 1908; Book A7665; and S. R. Archer, 1909; Book A8245)	<u>Feet</u>
Crider; at SE. corner of Crider Store; in foundation stone of crister wall; standard tablet stamped "469" (Reported destroyed, 1954)	469.226
"489" (Tied by NGS, 1934) (Destroyed, 1963)	488.342
Princeton, 2.7 mi SE. of, along Illinois Central Railroad; 42 ft W. of, and 6 ft lower than W. rail of track; 40 ft W. of N. end of trestle; in rock ledge; standard tablet stamped "471" (Reported destroyed, 1934) (NGS tied to top of hole in rock above remaining shank of old mark in 1934) (Not found, 1967)	470.678
Princeton, 4.2 mi SE. of, along I. C. RR.; at McGowan; 223 ft NW. of centerline of rd. crossing; 34 ft SW. of SW. rail; 387 ft SE. of SE. end of trestle; 87 ft NW. of fence corner; 50 ft SE. of telephone pole; 8 ft NE. of right-of-way fenceline; in rock outcrop; standard tablet stamped "484 KY" (Tied by NGS, 1934)	483.582
McGowan, 2.4 mi SE. of, along I. C. RR.; at Otter Pond; at NE. corner of station; on iron post; standard cap stamped "544" (Station reported burned in 1908) (Reported disturbed, 1967)	544.067
Claxton; 300 ft N. of I. C. RR.; at RR. section house; in foundation; standard tablet stamped "450" (Reported not found, 1953)	449.429
Friendship, 3.5 mi S. of; at residence of T. B. Howard; in NW. corner of foundation; standard tablet stamped "508" (Reported not found, 1954)	507.988
Fredonia, 4.0 mi NE. of, along State Highway 70; 1.8 mi SW. of Flat Rock; 25 ft E. of SE. corner of field owned by Tom Blackburn; on iron post; standard cap stamped "535" (Reported destroyed, 1954)	534.714
Crider, 0.5 mi S. of station; at residence of Mr. Crider; in front face of NE. corner of foundation; standard tablet stamped "PRIM TRAV STA NO 18 1907 KY 475"	474.985
Dulaney; 15 ft N. and 3 ft W. of SW. corner of post office; 60 ft N. of centerline of westbound track of I. C. RR.; on iron post; standard cap stamped "547 KY" (Tied by NGS, 1934)	546.974
Dulaney; 60 ft N. of RR. track; at store owned by W. H. Jones; in SE. corner of foundation; standard tablet stamped "546" (Reported destroyed, 1954)	546.349

ISOLATED BENCH MARKS (Cont'd.)Feet

Dulaney, 2.2 mi S. of, thence 0.7 mi E.; in SE. corner of crossroads; 20 ft from fenceline on farm of William Garrett; on iron post; standard cap stamped "465" 465.495

LINE 1.

J. W. McLaughlin, 1949; Book AV 96

Cobb, 2.5 mi NE. of, along graveled rd.; 15 ft NW. and 20 ft W. of centerline of rd. at junction of abandoned rd. SE.; 5 ft S. of 26-in. elm tree; in concrete post; standard tablet stamped "TT 45 TWC 1949" (Not found, 1967) 547.407

U.E., Cobb, 1.5 mi NE. of; 10 ft E. of centerline of rd.; on E. end of concrete pipe culvert; chiseled square 478.08

U.E., Cobb, 1.1 mi NE. of, thence 0.2 mi NW.; on W. bridge seat of iron bridge; chiseled square 457.23

Cobb, 1.1 mi NE. of, along graveled rd., thence 0.6 mi NW.; 18 ft E. of centerline of rd.; 30 ft NE. of wooden culvert over drain; 7 ft S. of 50-in. wild cherry tree; in concrete post; standard tablet stamped "TT 46 TWC 1949" 463.528

U.E., Cobb, 1.1 mi NE. of, thence 2.1 mi NW.; 30 ft NE. of centerline of rd. at junction of lane N.; on limestone rock; chiseled square 496.97

Cobb, 1.1 mi NE. of, along graveled rd., thence 2.5 mi NW.; 20 ft N. of centerline of rd.; 150 ft SE. of residence of Mr. L. B. Ferguson; 4 ft NW. of SW. fence corner of pasture; in concrete post; standard tablet stamped "TT 47 TWC 1949" 520.567

U.E., Cobb, 3.4 mi NW. of, thence 0.4 mi NE.; 45 ft N. of centerline of State Highway 128 at RR. crossing; 15 ft NW. of centerline of hwy.; on NW. end of concrete pipe culvert; chiseled square 529.42

U.E., Cobb, 3.4 mi NW. of, along State Highway 126; 15 ft S. and 170 ft W. of centerline of hwy. at junction of T-rd. N.; on E. concrete headwall of culvert; chiseled square 547.01

Cobb, 4.1 mi NW. of, along State Highway 126; 24 ft S. and 48 ft E. of centerline of hwy. at junction of driveway S.; at N.-S. fence-line; 20 ft NNE. of corner fencepost; in concrete post; standard tablet stamped "TT 48 TWC 1949" (Not found, 1967) 543.127



LINE 1 (Cont'd.)Feet

U.E., Cobb, 4.8 mi NW. of; 55 ft NW. of centerline of State Highway 126 at T-rd. N.; on E. end of concrete headwall of culvert; chiseled square	489.64
U.E., Cobb, 5.0 mi NW. of; 15 ft S. of centerline of State Highway 126; on E. end of concrete headwall of culvert; chiseled square	477.57
U.E., Cobb, 5.3 mi NW. of; 15 ft S. of centerline of State Highway 126; on W. end of concrete headwall of bridge; chiseled square	465.01
U.E., Cobb, 5.9 mi NW. of; on S. concrete retaining wall of concrete bridge; chiseled square	453.98
Cobb, 6.5 mi NW. of, along State Highway 126; 3.3 mi NW. of Hopson; 31 ft W. of centerline of Highway 126 at E. point of triangle formed by junction of State Highway 139; in concrete post; standard tablet stamped "TT 49 TWC 1949"	471.678
U.E., Hopson, 2.8 mi NW. of; on SW. concrete retaining wall of bridge; chiseled square	441.75
Hopson, 2.4 mi NW. of, along State Highway 139, thence 0.8 mi SW. along State Highway 514; 4.3 mi NE. of Lamasco; 14 ft SE. and 17 ft E. of centerline of hwy. at junction of abandoned woods rd.; in concrete post; standard tablet stamped "TT 50 TWC 1949"	511.569
U.E., Lamasco, 3.5 mi NE. of; on E. stone masonry retaining wall of wooden bridge; chiseled square	474.84
U.E., Lamasco, 3.2 mi NE. of; on SW. concrete bridge seat of wooden bridge; chiseled square	463.80
U.E., Lamasco, 2.6 mi NE. of; 8 ft S. of centerline of State Highway 514; on S. end of concrete pipe culvert; chiseled square	518.65
Lamasco, 2.3 mi NE. of, along State Highway 514; 15 ft NE. of centerline of hwy.; 363 ft E. of powerline crossing; 14 ft SW. of fence elbow; in concrete post; standard tablet stamped "TT 51 TWC 1949" (Not found, 1967)	537.351
U.E., Lamasco, 1.7 mi NE. of; 15 ft NW. of centerline of State Highway 514; on NE. end of concrete headwall of culvert; chiseled square	540.06

LINE 2.

J. W. McLaughlin, 1949; Book AV 96

There are no permanent marks in this line in this quadrangle.

PRINCETON QUADRANGLE  
Book AV 96

77 KENTUCKY

J. W. McLaughlin

37-087-33

6

1949

LINE 3.

Feet

J. W. McLaughlin, 1949; Book AV 96

There are no permanent marks in this line in this quadrangle.

LINE 4.

J. J. Spahr, 1950; Book AV 216

Claxton; 800 ft NE. of post office; 38 ft S. and 6 ft W. of centerline of rd. at I. C. RR. crossing; 29 ft S. of S. rail of main track; 16 ft NE. of large boulder; in concrete post; standard tablet stamped "TT 48 HF 1950 480"

480.197

Claxton, 1.9 mi SW. of; 48 ft SE. of centerline of crossroads; at fence corner on edge of cedar grove; in concrete post; standard tablet stamped "TT 47 HF 1950 544"

543.877

Scottsburg; 100 ft W. of station; at NW. corner of residence of Harlan Hoover; on iron post; standard cap stamped "521 KY" (Not found, 1967)

520.637

LINE 5.

J. J. Spahr, 1950; Book AV 216

Friendship, at SE. corner of crossroads; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 21 1907 KY 525" (Reported destroyed, 1954)

524.320

LINE 6.

W. W. Tilton, 1953; Book AV 2018

Saratoga; 200 ft SE. of Saratoga Spring Methodist Church; 31 ft S. and 25 ft E. of, and 1.5 ft lower than centerline of U. S. Highway 62 at junction of State Highway 730 S.; 2 ft E. of corner fencepost; in concrete post; standard tablet stamped "24 WWT 1953 390" (Not found, 1967)

390.240

Reference mark; 187 ft NW. of tablet; 63 ft N. of, and 5 ft higher than centerline of hwy.; on SE. corner of concrete walk to church; chiseled square

398.07

U.E., Saratoga, 1.0 mi S. of; 12 ft N. and 29 ft W. of, and 3 ft lower than centerline of State Highway 730 at junction of driveway W.; on N. end of concrete culvert; chiseled square

466.95



LINE 6 (Cont'd.)Feet

U.E., Saratoga, 1.7 mi S. of; 14 ft E. of centerline of State Highway 730; on NE. corner of concrete abutment of bridge over Eddy Creek; chiseled square	360.46
Saratoga, 2.3 mi S. of, along State Highway 730; 75 ft S. of, and 1 ft lower than centerline of hwy. at junction of driveway SW.; 4 ft E. of power pole; in concrete post; standard tablet stamped "25 WWT 1953 495" (Tied by NGS, 1966)	495.173
U.E., Saratoga, 3.5 mi SE. of; 9 ft N. and 15 ft W. of centerline of State Highway 730 at junction of driveway W.; on N. end of steel culvert; chiseled square	553.92
U.E., Saratoga, 4.2 mi SE. of; 15 ft N. and 10 ft W. of, and 1 ft lower than centerline of State Highway 730 at junction of T-rd. S.; on W. end of concrete culvert; chiseled square	571.16
Saratoga, 4.2 mi SE. of, along State Highway 730, thence 0.2 mi S.; on property of F. L. Cummins; 28 ft W. of centerline of rd.; 66 ft E. of chimney on E. side of house; 55 ft N. of 30-in. oak tree; in concrete post; NGS standard triangulation station disk stamped "CUMMINS 1930 1934"	604.795
Reference mark No. 2; 119 ft N. of station; on W. side of rd. at fenceline; in concrete post; NGS standard reference mark disk stamped "CUMMINS NO 2 1930 1934"	602.295

LINE 7.

W. W. Tilton, 1953; Book AV 2018

Crider, 1.2 mi NW. of, along State Highway 91, thence 0.4 mi S., thence 0.3 mi SE.; 32 ft S. and 25 ft W. of, and 7 ft higher than centerline of rd. at junction of T-rd. S.; at NE. corner of cemetery; in concrete post; standard tablet stamped "TT 12 LJR 1953 464"	464.212
"X 135 1949" (NGS)	462.998
Crider, 2.2 mi NW. of, along State Highway 91, thence 1.1 mi NE.; on property of Oscar Dalton; 40 ft NE. of NE. corner of farmhouse; 31 ft E. of E. gatepost in yard; 11 ft N. of wire fence; in concrete post; NGS standard triangulation station disk stamped "DALTON 1930 1934"	718.857

LINE 7 (Cont'd.)Feet

Reference mark No. 1; 232 ft W. of station; at NE. corner of barn; in concrete post; NGS standard reference mark disk stamped "DALTON NO 1 1930 1934"	710.34
Reference mark No. 2; 0.2 mi NW. of station; 13 ft E. of centerline of rd.; in concrete post; NGS standard reference mark disk stamped "DALTON NO 2 1930 1934"	704.20
Crider, 2.2 mi N. of, thence 0.4 mi W., thence 0.6 mi NW.; 1.8 mi SW. of Flat Rock, thence 2.3 mi S.; 14 ft S. and 95 ft E. of, and 2 ft higher than centerline of rd. at junction of driveway E.; in concrete post; standard tablet stamped "TT 13 LJR 1953 652"	652.147
Flat Rock, 1.8 mi SW. of, along State Highway 70; 4.0 mi NE. of Fredonia; 38 ft S. and 27 ft E. of, and 1 ft higher than centerline of hwy. at junction of T-rd. S.; in concrete post; standard tablet stamped "TT 14 LJR 1953 497"	496.794
Reference mark; 0.2 mi E. of tablet; 16 ft N. and 39 ft W. of centerline of State Highway 70 at junction of driveway N.; on N. end of concrete culvert; chiseled square	505.34
U.E., Flat Rock, 1.3 mi SW. of; 12 ft N. and 150 ft W. of, and 1 ft higher than centerline of State Highway 70 at junction of driveway N.; on N. end of concrete culvert; chiseled square	528.98
Flat Rock; 63 ft N. of, and 2 ft lower than centerline of State Highway 70; 61 ft E. of Flat Rock General Store; in concrete post; standard tablet stamped "TT 15 LJR 1953 497"	497.279
Reference mark; 211 ft E. of tablet; 13 ft N. of centerline of State Highway 70; on N. end of concrete culvert; chiseled square	497.35
U.E., Flat Rock, 0.5 mi E. of; 13 ft N. of centerline of State Highway 70; 43 ft E. of turnout N.; on N. end of concrete culvert; chiseled square	479.89
U.E., Flat Rock, 1.7 mi E. of; 12 ft S. of centerline of State Highway 70; on S. end of concrete culvert; chiseled square	437.02
Flat Rock, 2.3 mi NE. of, along State Highway 70; 29 ft N. and 62 ft W. of, and 1 ft higher than centerline of hwy. at crossroad; 3 ft S. of fence; in concrete post; standard tablet stamped "TT 16 LJR 1953 403" (Not found, 1967) <i>Reported destroyed 1981</i>	403.089



LINE 7 (Cont'd.)Feet

Reference mark; 187 ft E. of tablet; 17 ft S. and 125 ft E. of, and 1 ft higher than centerline of State Highway 70 at crossroad; on S. end of concrete culvert; chiseled square	401.00
U.E., Flat Rock, 2.9 mi NE. of; 14 ft S. of centerline of State Highway 70; on SW. corner of concrete abutment of bridge; chiseled square	395.33
Flat Rock, 3.9 mi NE. of, along State Highway 70; 13 ft S. and 160 ft E. of centerline of crossroads; in S. end of concrete culvert; standard tablet stamped "TT 17 LJR 1953 417"	416.937
Reference mark; 195 ft SW. of tablet; 155 ft S. and 14 ft E. of, and 1 ft higher than centerline of crossroads; on E. end of concrete culvert; chiseled square	422.35

LINE 8.

W. W. Tilton, 1953; Book AV 2018

U.E., Olney, 2.0 mi SE. of; 12 ft N. of centerline of rd.; on bottom step of stone walk N. to house; chiseled square	520.95
Olney, 1.6 mi SE. of; 36 ft S. and 26 ft E. of, and 4 ft higher than centerline of rd. at junction of driveway S. to house on hill; in NW. corner of field; in concrete post; standard tablet stamped "TT 19 LJR 1953 528"	527.809
U.E., Olney, 1.0 mi SE. of; 30 ft N. of, and 3 ft higher than centerline of rd.; 13 ft SW. of corner of old house; on top of concrete well; chiseled square	496.97
Olney; 0.1 mi E. of Olney store; 24 ft S. of, and 1 ft higher than centerline of rd.; 39 ft NW. of corner of house; in concrete post; standard tablet stamped "33 WWT 1953 385"	384.768
Olney, 1.0 mi NE. of; in SE. corner of yard of Freedom School; 2 ft from fenceline; on iron post; standard cap stamped "543 KY"	542.919

LINE 9.

W. W. Tilton, 1953; Book AV 2018

Princeton; 36 ft SW. of SW. corner of W. wing of courthouse; 3 ft W. of flagpole; in courthouse yard; on iron post; standard cap stamped "488 KY" (Tied by NGS, 1934) (Not found, 1967)	487.342
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LINE 9 (Cont'd.)Feet

U.E., Princeton, 1.2 mi NE. of; 14 ft N. of centerline of U. S. Highway 62; at W. end of turn-around; on N. end of concrete culvert; chiseled square 540.45

Princeton, 2.3 mi NE. of courthouse, along U. S. Highway; 31 ft S. and 61 ft W. of, and 2 ft lower than centerline of hwy. at turn around; 3 ft W. of fence corner; in concrete post; standard tablet stamped "34 WWT 1953 485" 485.008

Princeton, 4.4 mi NE. of courthouse, along U. S. Highway 62; 14 ft S. and 11 ft W. of, and 1 ft higher than centerline of hwy. at junction of driveway S.; in S. end of concrete culvert; standard tablet stamped "35 X WWT 1953 572" 571.777

U.E., Princeton, 6.3 mi NE. of; 3.2 mi NW. of Claxton; 37 ft N. and 14 ft E. of centerline of U. W. Highway 62 at junction of T-rd. S.; on S. end of concrete culvert; chiseled square 423.36

Princeton, 6.8 mi NE. of courthouse, along U. S. Highway 62; 3.2 mi NW. of Claxton, thence 0.5 mi E.; 19 ft N. and 89 ft E. of, and 1 ft higher than centerline of hwy. at junction of driveway N.; in N. end of concrete culvert; standard tablet stamped "TT 22 LJR 1953 421" 420.563

Claxton, 2.1 mi NW. of; 19 ft S. and 13 ft W. of, and 1 ft higher than centerline of rd. at junction of T-rd. S.; 3 ft from fence corner; in concrete post; standard tablet stamped "TT 23 LJR 1953 632" 632.098

U.E., Claxton, 1.6 mi NW. of; 14 ft S. and 4 ft E. of centerline of rd. at junction of T-rd. E.; on E end of concrete culvert; chiseled square 614.65

LINE 10.

W. W. Tilton, 1953; Book AV 2018

"M 135 1949" (NGS) 470.783

"521 KY" (Described in line 4) 520.637

LINE 11.

W. W. Tilton, 1953; Book AV 2018

"TT 22 LJR 1953 421" (Described in line 9) 420.563



LINE 11 (Cont'd.)Feet

U.E., Dawson Springs, 4.5 mi SW. of; 15 ft N. and 12 ft W. of centerline of U. S. Highway 62 at junction of driveway N.; on N. end of concrete culvert; chiseled square 429.08

U.E., Dawson Springs, 4.1 mi SW. of; 14 ft S. and 230 ft E. of, and 1 ft higher than centerline of U. S. Highway 62 at junction of driveway S.; on S. end of concrete culvert; chiseled square 398.47

LINE 12.

W. W. Tilton, 1953; Book AV 2018

"488 KY" (Described in line 9) 487.342

U.E., Princeton, 1.1 mi N. of; 9 ft N. and 14 ft E. of centerline of State Highway 293 at junction of driveway E.; on S. end of concrete culvert; chiseled square 596.36

Princeton, 2.0 mi N. of courthouse, along State Highway 293; 35 ft S. and 72 ft E. of, and 6 ft higher than centerline of hwy. at junction of driveway; at E.-W. fenceline; in concrete post; standard table stamped "34 A WWT 1953 RESET 1962" 564.872

Reference mark; 71 ft N. of tablet; 30 ft N. and 15 ft E. of centerline of State Highway 293 at junction of driveway; on E. end of concrete culvert; chiseled square 556.43

U.E., Princeton, 2.6 mi N. of; 17 ft W. of centerline of State Highway 293; on W. end of concrete bridge; chiseled square 444.11

U.E., Princeton, 3.2 mi N. of; 20 ft E. of, and 3 ft lower than centerline of State Highway 293; on E. end of concrete culvert; chiseled square 449.80

Princeton, 4.3 mi N. of courthouse, along State Highway 293; 73 ft N. and 32 ft W. of, and 1 ft lower than centerline of hwy. at junction of T-rd. NW.; in concrete post; standard tablet stamped "35 WWT 1953 578" 578.205

Reference mark; 100 ft S. of tablet; 16 ft E. of centerline of State Highway 293; on E. end of concrete culvert; chiseled square 578.24

U.E., Princeton, 4.3 mi N. of, along State Highway 293, thence 0.5 mi NW. along State Highway 1119; 19 ft W. of centerline of hwy. at SE. corner of field; on W. end of concrete culvert; chiseled square 554.16

LINE 12 (Cont'd.)Feet

Princeton, 4.3 mi N. of, along State Highway 293; thence 3.0 mi NW. along State Highway 1119; 3.3 mi SE. of Rufus; 35 ft S. and 20 ft W. of, and level with centerline of hwy. at junction of T-rd. W.; in concrete post; standard tablet stamped "43 WLW 1953"	520.395
Reference mark; 40 ft NE. of tablet; 12 ft N. and 12 ft E. of, and 1.5 ft lower than centerline of State Highway 1119 at junction of T-rd. W.; on E. end of concrete tile; chiseled square	518.49
U.E., Farmersville, 0.6 mi S. of, thence 0.6 mi E.; 10 ft S. and 14 ft W. of centerline of rd. at junction of T-rd. S.; on S. end of concrete culvert; chiseled square	479.35
Farmersville, 0.6 mi S. of, along State Highway 139; 44 ft S. and 28 ft E. of, and 2 ft higher than centerline of hwy. at junction of T-rd. E.; 2 ft W. of fenceline; in concrete post; standard tablet stamped "36 WWT 1953 488"	488.354
Reference mark; 157 ft S. of tablet; 201 ft S. and 14 ft E. of centerline of State Highway 139 at junction of T-rd. E.; on E. end of concrete culvert; chiseled square	486.52
U.E., Farmersville, 1.2 mi S. of; 13 ft N. and 15 ft E. of centerline of State Highway 139 at junction of driveway E.; on E. end of concrete culvert; chiseled square	462.44
Farmersville, 1.4 mi S. of, along State Highway 139, thence 1.6 mi W.; 26 ft N. and 31 ft E. of, and 2 ft higher than centerline of rd. at junction of driveway E. to residence of Gilbert Williamson; 3 ft E. of powerline pole; in concrete post; standard tablet stamped "37 WWT 1953 441"	441.047
Crider, 1.3 mi N. of; 41 ft S. of centerline of rd. at junction of T-rd. N.; 13 ft E. of NW. corner of field; 2 ft N. of fenceline; in concrete post; standard tablet stamped "38 WWT 1953 551"	550.552
"TT 13 LJR 1953 652" (Described in line 7)	652.147

LINE 13.

W. W. Tilton, 1953; Book AV 2018

"B 19 1934" (NGS)	537.925
U.E., Princeton, 3.9 mi SW. of, thence 0.9 mi NW.; 8 ft S. of centerline of rd. at junction of trail N.; at SE. corner of turn-around; on S. end of concrete culvert; chiseled square	458.60



LINE 13 (Cont'd.)Feet

Princeton, 3.9 mi SW. of courthouse, along U. S. Highway 62; 29 ft N. and 29 ft W. of, and 2 ft higher than centerline of hwy. at junction of T-rd. N.; 2 ft S. of fence; in concrete post; standard tablet stamped "39 WWT 1953 431"	431.007
U.E., Princeton, 3.4 mi SW. of; 19 ft S. and 31 ft W. of, and 1 ft lower than centerline of U. S. Highway 62; at junction of T-rd. S.; on W. end of concrete culvert; chiseled square	437.13
Princeton, 3.4 mi SW. of courthouse, along U. S. Highway 62, thence 1.4 mi S.; 21 ft N. and 32 ft E. of, and 2 ft higher than centerline of rd. at junction of driveway E.; 2 ft W. of fence; in concrete post; standard tablet stamped "40 WWT 1953 475"	474.962
U.E., Princeton, 3.4 mi SW. of, thence 2.4 mi S.; 8 ft S. and 14 ft E. of centerline of rd. at junction of driveway E.; on S. end of concrete culvert; chiseled square	484.56
Princeton, 3.4 mi SW. of, along U. S. Highway 62, thence 3.5 mi S.; 3.3 mi N. of Lamasco; 15 ft W. of, and 1 ft higher than centerline of rd.; at southernmost of two concrete bridges; in NW. concrete abutment; standard tablet stamped "41 WWT 1953 388"	387.437
Lamasco, 1.7 mi N. of, along graveled rd.; 37 ft N. of centerline of rd. at junction of T-rd. NW.; 3 ft NW. of 4-in. elm tree; on high bank; in concrete post; standard tablet stamped "TT 52 TWC 1949 551" (Not found, 1967)	551.349
Lamasco, 1.7 mi N. of, thence 1.0 mi NW.; 0.3 mi N. of Friendship Church; 50 ft W. of centerline of rd. at junction of T-rd.; 25 ft N. of large oak tree; on iron post; standard cap stamped "573"	572.337
Lamasco, 1.7 mi N. of, along graveled rd., thence 2.0 mi NW. along State Highway 730; 4.2 mi SE. of Saratoga; 12 ft S. and 300 ft E. of centerline of hwy. at junction of T-rd. S.; at residence of Frank Lacy; 6 ft W. of 4-in. hickory tree; in concrete post; standard azimuth mark disk stamped "CUMMINS AZIMUTH NO 1 1934"	584.204
U.E., Saratoga, 4.2 mi SE. of; chiseled square (Described in line 6)	571.16

LINE 14.

W. W. Tilton, 1953; Book AV 2018

"TT 52 TWC 1949 551" (Described in line 13)	551.349
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1953

LINE 15.

Feet

W. L. Wallace, 1953; Book AV 2020

"TT 17 LJR 1953 417" (Described in line 7) 416.937

Rufus, 0.8 mi S. of; 15 ft S. and 8 ft E. of, and 0.5 ft lower than center of bridge over Buchanan Creek; in SE. abutment; standard tablet stamped "42 WLW 1953" 400.086

Reference mark; 40 ft NW. of tablet; 15 ft N. and 8 ft W. of, and 1 ft lower than center of bridge over Buchanan Creek; on NW. abutment; chiseled square 399.67

U.E., Rufus, 2.1 mi S. of; 15 ft N. and 5 ft E. of centerline of State Highway 1119 at junction of Y-rd.; on SE. end of metal tile; chiseled square 464.96

"43 WLW 1953" (Described in line 12) 520.395

Reference mark; chiseled square (Described in line 12) 518.49

U.E., Needmore, 2.7 mi S. of, along State Highway 293, thence 0.2 mi NW.; on center of bridge at drain crossing; chiseled square 516.28

Needmore, 2.5 mi S. of, along State Highway 293, thence 0.6 mi E.; 20 ft S. and 20 ft E. of, and 3 ft higher than centerline of rd. at junction of driveway S.; in concrete post; standard tablet stamped "44 WLW 1953" (Destroyed, 1967) 534.457

Needmore, 2.5 mi S. of, along State Highway 293, thence 2.4 mi NE.; 3.5 mi SW. of Olney; 30 ft S. and 45 ft E. of, and level with centerline of rd. at junction of T-rd. S.; in concrete post; standard tablet stamped "45 WLW 1953" 552.312

U.E., Olney, 3.1 mi SW. of; at centerline of rd. at junction of T-rd. W.; on large sandstone boulder; chiseled square 460.24

Olney, 1.9 mi SW. of; 25 ft S. and 14 ft W. of, and 1.5 ft higher than centerline of rd. at junction of T-rd. W.; in concrete post; standard tablet stamped "46 WLW 1953" 393.947

U.E., Olney, 0.9 mi SW. of; 20 ft N. and 5 ft E. of, and 0.5 ft higher than centerline of rd. at drain crossing; on sandstone ledge; chiseled square 477.48

"33 WWT 1953 385" (Described in line 8) 384.768



PRINCETON QUADRANGLE  
Book AV 2020

77 KENTUCKY

W. L. Wallace

37-087-33  
15

1953

LINE 16.

Feet

W. L. Wallace, 1953; Book AV 202

"TT 14 LJR 1953 497" (Described in line 7)

496.794

Fredonia, 4.0 mi NE. of, along State Highway 70, thence 1.4 mi N.;  
1.0 mi S. of Enon; 40 ft S. and 35 ft W. of, and 4.5 ft higher  
than centerline of rd. at junction of driveway E.; in concrete  
post; standard tablet stamped "47 WLW 1953"

577.598

Reference mark; 110 ft NE. of tablet; 4 ft S. and 12 ft W. of, and  
1.5 ft lower than centerline of rd. at drain crossing; on W. end  
of concrete tile; chiseled square

572.05

HORIZONTAL CONTROL  
NORTH AMERICAN DATUM OF 1927

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

37-087-33  
PRINCETON QUADRANGLE  
77 KENTUCKY  
N3700-W8745/15  
DIAGRAM NJ 16-8  
EVANSVILLE

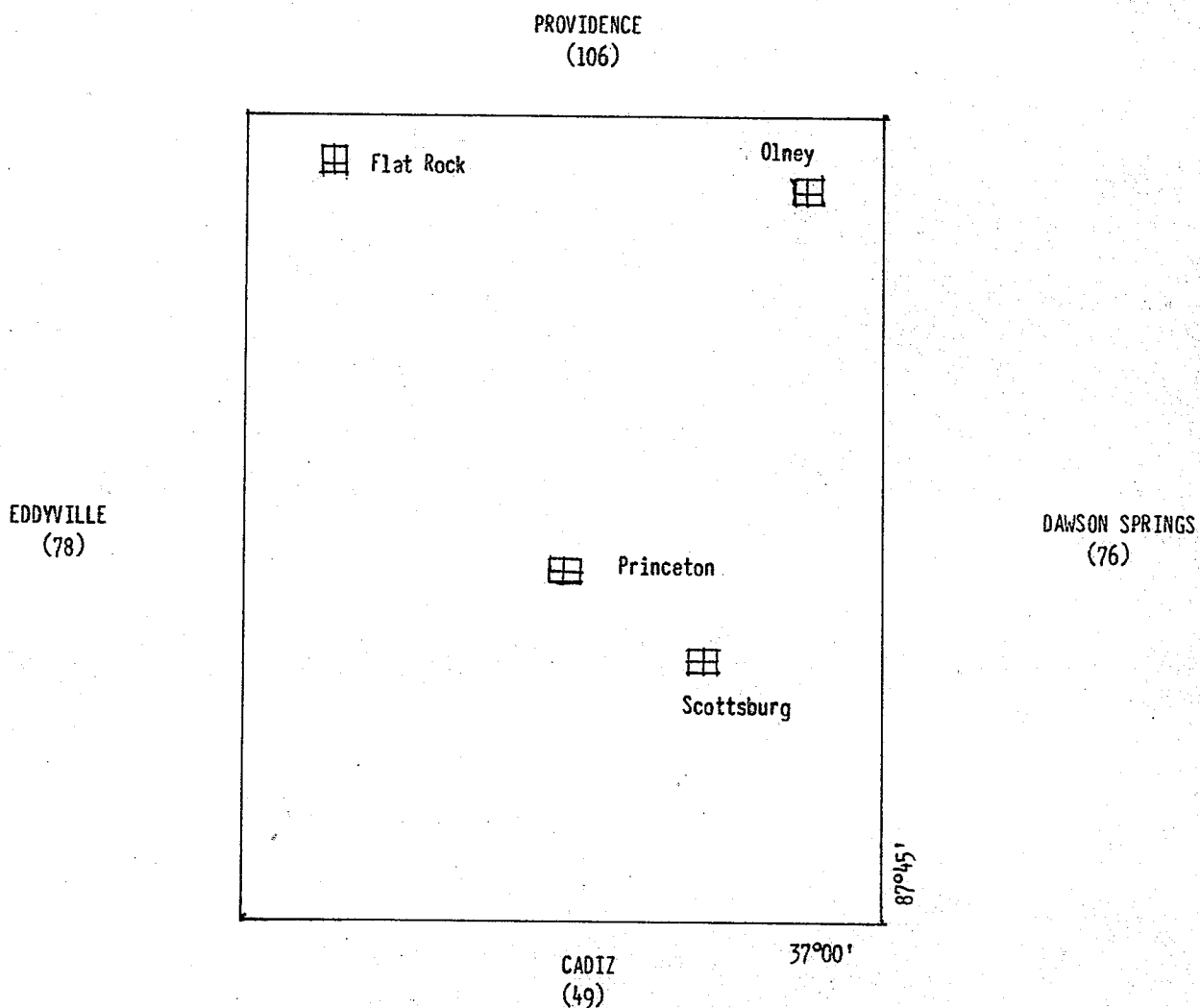
Caldwell, Hopkins, and Lyon Counties

Edition of 6/23/77

PR: CRV/rmm

Plane coordinates are based on Lambert  
projection, Kentucky, South Zone

Only the permanent marks are  
listed for control classified  
obsolete and are not shown on  
sketch





DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARK

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
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TT 45 TWC 1949	3
TT 46 TWC 1949	3
TT 47 TWC 1949	3
TT 48 TWC 9949	4
TT 49 TWC 1949	4
TT 50 TWC 1949	4
TT 51 TWC 1949	4
TT 52 TWC 1949 552	4
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TT 22 LJR 1953 421	6
TT 23 LJR 1953 632	6
24 WWT 1953 390 TT	5
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STATION DESCRIPTION  
PLANE COORDINATES, FEET

LONGITUDE  
° ' "

L LONGITUDE  
° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By F. J. McMaugh, 1907; Book A834

Friendship; at Gunns Crossroads; in SE. fence corner; in sandstone post; standard tablet stamped  
"PRIM TRAV STA NO 21 1907 KY" (Reported destroyed, 1967)

X = 1,411,603 Y = 269,689 37 03 24.60 87 45 59.50

By G. B. Grunwell, 1936; Book D1856

Crider, 0.5 mi S. of station; in front face of NW. corner of Crider residence; standard tablet stamped  
"PRIM TRAV STA NO 18 1907 KY 475"

X = 1,350,325 Y = 306,044 37 09 10.37 87 58 45.84

Lamasco, 1.7 mi N. of, thence 1.0 mi NW.; 0.3 mi N. of Friendship Church; at junction of rd. W.; 50 ft W. of centerline of rd. at junction of I-rd.; 25 ft N. of large oak tree; on iron post projecting 1 ft; standard tablet stamped "573 KY"

X = 1,356,363 Y = 254,467 37 00 41.91 87 57 16.41

Lamasco, 1.3 mi N. of; at junction of I-rd. W.; 60 ft SE. of SE. corner of yard fence; 45 ft NE. of 10-in. oak tree at SW. corner of intersection; 25 ft E. of centerline of rd.; 2 ft W. of fence; in concrete filled 8-in. vitrified clay pipe projecting 4 in.; standard tablet stamped "TI 10 G 1936" (Reported destroyed, 1954)

X = 1,365,229 Y = 251,250 37 00 12.15 87 55 26.22

By I. W. Cayce, 1949; Book AH 130

Cobb, 2.1 mi N. of, along graveled rd.; 15 ft NW. of centerline of rd.; 20 ft W. of intersection of abandoned rd. SE.; 5 ft S. of 26-in. elm tree; in concrete post; standard tablet stamped "TI 45 TWC 1949" (Not found, 1967)

X = 1,414,179 Y = 252,791 37 00 38.09 87 45 23.29

Cobb, 1.1 mi N. of, along graveled rd., thence 0.6 mi NW. along dirt and graveled rd.; 18 ft E. of centerline of rd.; 30 ft NE. of wooden culvert over drain; 7 ft S. of 50-in. wild cherry tree; in concrete post; standard tablet stamped "TI 46 TWC 1949"

X = 1,407,969 Y = 252,367 37 00 36.54 87 46 39.84

Cobb, 1.1 mi N. of, along graveled rd., thence 2.6 mi NW. along dirt and graveled rd.; about 150 ft SE. of residence of Mr. L. B. Ferguson; 20 ft N. of centerline of rd.; 4 ft NW. of SW. fence corner of pasture; in concrete post; standard tablet stamped "TI 47 TWC 1949"

X = 1,401,499 Y = 258,606 37 01 32.87 87 48 01.16

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Cobb, 4.1 mi NW. of, along State Highway 126; 24 ft S. of and 48 ft E. of centerline of hwy. at junction of driveway S.; at N.-S. fenceline; 20 ft NNE. of corner fencepost; in concrete post; standard tablet stamped "TT 48 TWC 1949"

X = 1,391,277	Y = 257,047	37 01 15.23	87 50 06.76
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Cobb, 6.5 mi NW. of, along State Highway 126; 3.3 mi NW. of Hopson; 31 ft W. of centerline of Highway 126 at E. point of triangle formed by junction of State Highway 139; in concrete post; standard tablet stamped "TT 49 TWC 1949"

X = 1,379,025	Y = 260,918	37 01 50.82	87 52 38.85
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Hopson, 2.4 mi NW. of, along State Highway 139, thence 0.8 mi SW. along State Highway 514; 4.3 mi NE. of Lamasco; 14 ft SE. of and 17 ft E. of centerline of hwy. at junction of abandoned woods rd.; in concrete post; standard tablet stamped "TT 50 TWC 1949" (Not found, 1967)

X = 1,377,566	Y = 253,974	37 00 41.84	87 52 54.90
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Lamasco, 2.3 mi NE. of, along State Highway 514; 15 ft NE. of centerline of rd.; 14 ft SW. of fence elbow; about 363 ft E. of powerline crossing; in concrete post; standard tablet stamped "TT 51 TWC 1949" (Not found, 1967)

X = 1,369,374	Y = 252,817	37 00 28.56	87 54 35.56
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Lamasco, 1.7 mi N. of, along graveled rd.; 37 ft N. of junction of T-rd. NW.; 3 ft NW. of 4-in. elm tree; on top of high bank; in concrete post; standard tablet stamped "TT 52 TWC 1949 552" (Not found, 1967)

X = 1,361,000	Y = 253,036	37 00 28.84	87 56 18.84
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By H. P. Finch, 1950; Book AH 192

Claxton, 1.9 mi SW. of; 48 ft SE. of crossroad; in edge of cedar grove at fence corner; in concrete post; standard tablet stamped "TT 47 HF 1950 544"

X = 1,404,717	Y = 281,569	37 05 20.58	87 47 27.60
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Claxton; about 800 ft NE. of post office; 38 ft S. and 6 ft W. of grade crossing of Illinois Central Railroad; 29 ft S. of S. rail of track; 16 ft NE. of large boulder; in concrete post; standard tablet stamped "TT 48 HF 1950 480"

X = 1,412,763	Y = 287,116	37 06 17.12	87 45 49.77
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STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

By L. J. Roberts, 1952-53; Book AH 2005

Saratoga, 2.3 mi S. of, along State Highway 730; 75 ft S. of, and 1 ft lower than centerline of intersection of N.-S. rd. and driveway SW.; 4 ft E. of power pole; in concrete post; standard tablet stamped "25 WWT 1953 495 TT"

X = 1,344,052 Y = 261,153 37 01 45.15 87 59 50.12

Saratoga, 200 ft SE. of Saratoga Spring Methodist Church; 31 ft S. and 25 ft E. of, and 1.5 ft lower than center of intersection of hwy. and I-rd. S.; 2 ft E. of fence corner; in concrete post; standard tablet stamped "24 WWT 1953 390 TT" (Not found, 1967)

X = 1,344,307 Y = 272,201 37 03 34.42 87 59 50.22

Crider, 1.2 mi NW. of, along State Highway 91, thence 0.4 mi S., thence 0.3 mi SE.; 32 ft S. and 25 ft W. of and 7 ft higher than centerline of rd.; at junction of I-rd. S.; at NE. corner of cemetery; in concrete post; standard tablet stamped "TT 12 LJR 1953 464"

X = 1,346,368 Y = 308,521 37 09 33.93 87 59 35.43

Crider, 2.2 mi N. of, thence 0.4 mi W., thence 0.6 mi NW.; 1.8 mi SW. of Flat Rock, thence 2.3 mi S.; 14 ft S. and 95 ft E. of, and 2 ft higher than centerline of rd. at junction of driveway E.; in concrete post; standard tablet stamped "TT 13 LJR 1953 652"

X = 1,349,739 Y = 321,345 37 11 41.48 87 58 57.56

Flat Rock, 1.8 mi SW. of, along State Highway 70; 4.0 mi NE. of Fredonia; 38 ft S. and 27 ft E. of, and 1 ft higher than centerline of hwy. at junction of I-rd. S.; in concrete post; standard tablet stamped "TT 14 LJR 1953 497"

X = 1,346,500 Y = 330,798 37 13 14.17 87 59 40.34

Flat Rock, 63 ft N. of, and 2 ft lower than centerline of State Highway 70; 61 ft E. of Flat Rock General Store; in concrete post; standard tablet stamped "TT 15 LJR 1953 497"

X = 1,354,223 Y = 335,348 37 14 00.95 87 58 06.20

Flat Rock, 2.3 mi NE. of, along State Highway 70; 29 ft N. and 62 ft W. of, and 1 ft higher than centerline of hwy. at crossroad; 3 ft S. of fence; in concrete post; standard tablet stamped "TT 16 LJR 1953 403" (Not found, 1967) *reported DESTROYED 1981 bench mark found stamping*

X = 1,365,692 Y = 337,453 37 14 24.38 87 55 44.99 *obliterated*

STATION DESCRIPTION  
PLANE COORDINATES, FEET

LATITUDE  
° ' "

LONGITUDE  
° ' "

OBSOLETE MARKS (Cont'd.)

Flat Rock, 3.9 mi NE. of, along State Highway 70; 13 ft S. and 160 ft E. of centerline of crossroads; in S. end of concrete culvert; standard tablet stamped "TT 17 LJR 1953 417"

X = 1,373,809 Y = 339,653 37 14 47.97 87 54 05.26

Olney, 1.0 mi NE. of; in SE. corner of yard of Freedom School; 2 ft from fenceline; on iron post; standard cap stamped "543 TT"

X = 1,412,686 Y = 334,215 37 14 02.71 87 46 03.14

Olney, 1.6 mi SE. of; 36 ft S. and 26 ft E. of, and 4 ft higher than centerline of graveled rd.; at junction of driveway S. to house on hill; in NW. corner of field; in concrete post; standard tablet stamped "TT 19 LJR 1953 528"

X = 1,415,729 Y = 327,784 37 12 59.77 87 45 23.84

Princeton, 6.8 mi NE. of courthouse, along U. S. Highway 62; 3.2 mi NW. of Claxton, thence 0.5 mi E.; 19 ft N. and 89 ft E. of, and 1 ft higher than centerline of hwy. at junction of driveway N.; in N. end of concrete culvert; standard tablet stamped "TT 22 LJR 1953 421"

X = 1,410,506 Y = 299,679 37 08 20.84 87 46 20.93

Claxton, 2.1 mi N. of; 13 ft W. and 19 ft S. of, and 1 ft higher than intersection of centerlines of private drive and graveled rd.; 3 ft from fence corner; in concrete post; standard tablet stamped "TT 23 LJR 1953 632"

X = 1,407,359 Y = 294,025 37 07 24.28 87 46 58.30